

**Notice of Allowability**

Application No.

09/705,148

Examiner

Jungwon Chang

Applicant(s)

RAVISHANKAR ET AL.

Art Unit

2154

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 10/6/2005 & Interview dated 12/19/2005.
2. ☒ The allowed claim(s) is/are 1,3-14,16-20 and 22-25, now renumbered as 1-22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 12/19/2005.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

*CHANG, JUNGWON*  
CHANG, JUNGWON

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Cindy S. Kaplan, Reg. No. 40,043 on 12/19/2005.

2. The application has been amended as follows:

#### In Claims

Claim 1 (Currently Amended) A method for integrating a voice and unified messaging network application at a network device with different directory servers, the network device configured to perform directory services with the directory servers, the method comprising:

storing in memory of the network device an attribute mapping table, the table mapping attribute names utilized by the voice and unified messaging network application with corresponding attribute names used by the directory servers available to the voice and unified messaging network application, wherein at least two of the directory servers have different schema and wherein at least one of the attribute names used by the directory servers is different from the corresponding attribute name used by

the voice and unified messaging network application;

searching the attribute mapping table to identify the attribute name used by one of the directory servers corresponding to one of the attribute names utilized by the voice and unified messaging network application;

sending from the network device, a request containing the identified directory server attribute name to the corresponding directory server; and

receiving information in response to the request [(.)].

wherein integrating the voice and unified messaging application at the network device with different directory servers comprises integrating without modifying application code at the network device.

Claim 2 (Canceled)

Claim 10 (Currently Amended) A computer program product for integrating a voice and unified messaging network application at a network device with different directory servers, the network device configured to perform directory services with the directory servers, the computer program product comprising:

code that stores in memory of the network device an attribute mapping table, the table mapping attribute names utilized by the voice and unified messaging network application with corresponding attribute names used by the directory servers available to the voice and unified messaging network application, wherein at least two of the directory servers have different schema and wherein at least one of the attributes

names used by the directory servers is different from the corresponding attribute name used by the voice and unified messaging ~~network~~ application;

code that searches the attribute mapping table to identify the attribute name used by one of the directory servers corresponding to one of the attribute names utilized by the voice and unified messaging ~~network~~ application;

code that sends from the network device, a request containing the identified directory server attribute name to the corresponding directory server;

code that receives information in response to the request; and

a computer readable medium that stores said computer codes [[.]].

wherein integrating the voice and unified messaging application at the network device with different directory servers comprises integrating without modifying application code at the network device.

Claim 13 (Currently Amended) The computer program product of claim 10 wherein the computer readable medium is selected from the group consisting of CD-ROM, floppy disk, tape, flash memory, system memory, and hard drive, ~~and data signal embodied in a carrier wave.~~

Claim 14 (Currently Amended) A system for integrating a voice and unified messaging ~~network~~ application at a network device with different directory servers, the network device configured to perform directory services with the directory servers, the system comprising:

a table mapping names utilized by the voice and unified messaging network application with corresponding attribute names used by the directory servers, wherein at least two of the directory servers have different schema and wherein at least one of the attribute names used by the directory servers is different from the corresponding attribute name used by the voice and unified messaging network application;

memory that at least temporarily stores the table; and

a processor that identifies in the table the attribute name used by one of the directory servers corresponding to one of the attribute names utilized by the voice and unified messaging network application and sends a request containing the identified directory server attribute name to the corresponding directory server [1].

wherein integrating the voice and unified messaging application at the network device with different directory servers comprises integrating without modifying application code at the network device.

Claim 15 (Canceled)

Claim 19 (Currently Amended) A system for integrating a voice and unified messaging network application with different directory servers, the network device configured to perform directory services with the directory servers, the system comprising:

a table mapping attribute names utilized by the voice and unified messaging network application with corresponding attribute names used by directory servers available to the voice and unified messaging network application, wherein at least two of

Art Unit: 2154

the directory servers have different schema and wherein at least one of the attribute names used by the directory servers is different from the corresponding attribute name used by the voice and unified messaging network application;

means for identifying in the table the attribute name used by one of the directory servers corresponding to one of the attribute names utilized by the voice and unified messaging network application; and

means for sending from the network device, a request containing the identified directory server attribute name to the corresponding directory server[[]].

wherein integrating the voice and unified messaging application at the network device with different directory servers comprises integrating without modifying application code at the network device.

Claim 21 (Canceled)

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jungwon Chang whose telephone number is 571-272-3960. The examiner can normally be reached on 9:30-6:00 (Monday-Friday).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on 571-272-3964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Art Unit: 2154

Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in cursive script, appearing to read 'Jungwon Chang'.

Jungwon Chang  
December 19, 2005